

JV
7-31-08

VALUE ENGINEERING CHANGE PROPOSAL
MISSOURI DEPARTMENT OF TRANSPORTATION

Contract ID 080523-501 # 4 Date July 24, 2008
County Pettis Route 65 Job No. J5P0934/J5P0952
Contractor APAC-Missouri, Inc. Original Bid Cost \$4,335,778.54
Designed By MODOT By Josh Davis
VECP # VECP 08-59 Phone 573-449-0886
VECP ☒ or VECPP/PDU ☐

1. Description of existing requirements and proposed change(s). Advantages/Disadvantages

On Job J5P0934 we would like to propose coldmilling the 10' inside shoulder from logmile 140.5 to 146.0. We propose to remove the last 6' outside the edge of the planned inside shoulder through a milling process leaving an acceptable size of aggregate material to bring up to the edge of the inside shoulder with a motor grader. Savings to MoDOT through this will be the 3 to 1 asphalt edge treatment, amounting to a reduction of 184 tons of BP1, for \$8,099.68. This edge treatment can be substituted with the acceptable aggregate. Advantages to MoDOT through this VE are: a safer, more gradual slope, an aesthetically pleasing roadway, and the slope will be much easier to maintain.

2. Estimate of reduction in construction costs. \$8,099.68

3. Prediction of any effects the proposed change(s) will have on other department costs, such as maintenance and operations.

MoDOT will not have to maintain the asphalt on the inside shoulder that would have remained without this VE.

4. Anticipated date for submittal of detailed change(s) of items required by Section 104.6 of the Specifications.

(date)

5. Deadline for issuing a change order to obtain maximum cost reduction, noting the effect of contract completion time or delivery schedule.

(date)

(effect)

6. Dates of any previous or concurrent submission of the same proposal.

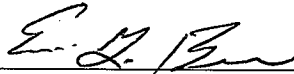
(date and/or dates)

Additional Comments:

**** Portion Below This Line To Be Filled Out by MoDOT ****

Comments:

This would make the job look cleaner by eliminating the 3:1 transition between the 4' of shoulder to be overlayed and the 6' of existing shoulder that would be left exposed. There is no consideration made for the cost of mobilizing a motor grader to bring up the edge. I assume that they would not expect direct payment for motor grader work. Also, would we want to leave that 6' as aggregate? Or would we want them to seed & mulch?



Submitted By Resident Engineer

7/24/08

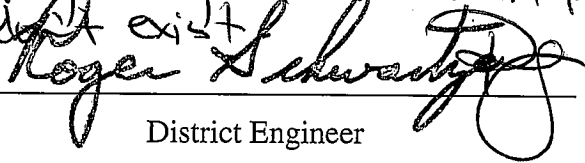
Date

Comments:

Further consideration and discussion of this concept with maintenance staff have concluded that elimination of the remaining 6' paved shoulder and replacement with existing aggregate base material would very likely introduce maintenance issues which currently do not exist.

☐ Approval
☐ Recommended

☒ Rejection
☐ Recommended



District Engineer

7/25/08

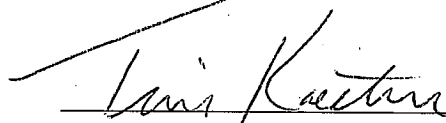
Date

Comments:

Concur with the district comments and rejection of the proposal.

☐ Approval

☒ Rejection



FOR - State Construction and Materials Engineer

7-29/08

Date

Distribution: Resident Engineer, Project Manager, District Operations Engineer, State Construction and Materials Engineer
*Value Engineering Administrator - *MoDOT, P.O. Box 270, Jefferson City, MO 65102

VALUE ENGINEERING CHECK SHEET

TYPE OF WORK

(Check one that applies)

- ☐ Bridge/Structure/Footings
- ☐ Drainage Structures (RCP, RCB, CMP's ect)
- ☐ TCP/MOT
- ☒ Paving (PCCP, ect.)
- ☐ Grading/MSE Walls
- ☐ Signal/Lighting/ITS
- ☐ Misc. _____

SUMMARY OF PROPOSAL

(If needed, condense summary to a couple of lines)

Mill the outside portion (6' of the 10' existing shoulder) of the inside shoulder to provide a 3 to 1 asphalt edge treatment.

SCANNING OF DOCUMENT

If the proposal is large, please mark or make note, which pages need to be scanned into the database. If there are special instructions, make note of them here.

All